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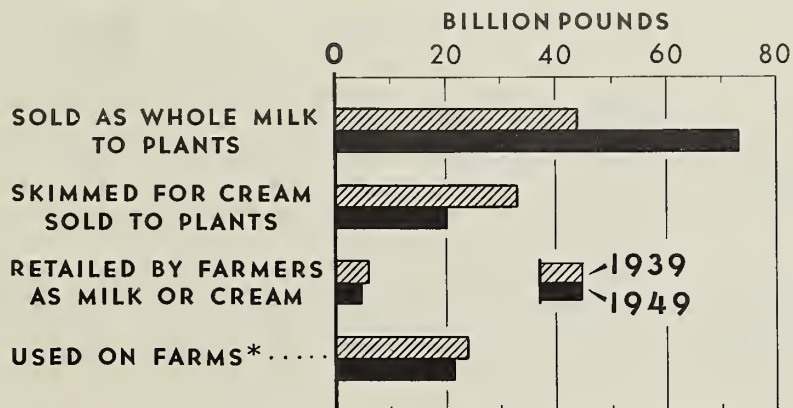
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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS
CROP REPORTING BOARD

FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK, 1948-49

MILK DISPOSITION BY FARMERS UNITED STATES, 1939 AND 1949



B.A.E. 45923-XX

WASHINGTON, D. C.
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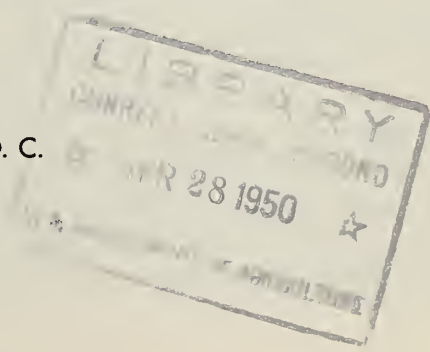


Table 1 - Monthly milk production on farms, United States 1929-50 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly total
M i l l i o n p o u n d s													
1929	7,187	6,860	8,067	8,543	10,047	10,562	10,027	8,800	7,642	7,335	6,811	7,107	98,988
1930	7,371	7,051	8,253	8,723	10,386	10,766	9,725	8,413	7,522	7,466	7,091	7,391	100,158
1931	7,798	7,417	8,519	9,048	10,580	10,683	9,663	8,643	7,798	7,737	7,427	7,716	103,029
1932	7,951	7,784	8,625	8,854	10,504	10,701	9,777	8,739	7,974	7,810	7,369	7,722	103,810
1933	7,983	7,532	8,580	8,989	10,665	10,675	9,973	9,167	8,192	7,941	7,417	7,648	104,762
1934	7,652	7,144	8,272	8,760	10,182	10,477	9,796	9,004	8,160	7,835	7,185	7,154	101,621
1935	7,084	6,690	7,823	8,440	10,222	10,991	10,384	9,402	8,258	7,702	7,003	7,206	101,205
1936	7,292	7,159	8,244	8,807	10,507	10,948	9,893	8,695	8,049	8,090	7,322	7,404	102,410
1937	7,388	6,899	8,041	8,560	10,466	10,955	10,323	9,192	8,071	7,735	6,981	7,297	101,308
1938	7,438	7,089	8,443	9,120	10,881	11,226	10,581	9,545	8,445	8,073	7,395	7,570	105,807
1939	7,807	7,411	8,725	9,195	10,903	11,277	10,498	9,515	8,394	7,945	7,433	7,689	106,792
1940	7,841	7,688	8,881	9,308	10,918	11,641	10,710	9,681	8,761	8,389	7,731	7,953	109,502
1941	8,349	7,937	9,223	9,893	11,684	12,028	11,227	10,272	9,225	8,813	8,174	8,447	115,268
1942	8,719	8,268	9,608	10,250	12,075	12,505	11,731	10,722	9,458	8,896	8,182	8,470	118,884
1943	8,766	8,373	9,712	10,208	11,855	12,529	11,725	10,530	9,230	8,673	7,960	8,224	117,785
1944	8,590	8,575	9,690	10,135	11,847	12,373	11,520	10,251	9,236	8,961	8,285	8,529	117,992
1945	8,801	8,429	9,925	10,625	12,358	12,908	12,214	11,014	9,615	9,050	8,240	8,325	121,504
1946	8,564	8,212	9,713	10,440	12,206	12,578	11,927	10,838	9,435	8,985	8,293	8,522	119,713
1947	8,889	8,456	9,809	10,385	12,134	12,816	12,082	10,569	9,224	8,780	7,906	8,015	119,065
1948	8,290	8,126	9,190	9,884	11,697	12,171	11,514	10,511	9,124	8,748	8,031	8,241	115,527
1949	8,671	8,395	9,616	10,324	12,069	12,372	11,559	10,574	9,427	9,056	8,451	8,622	119,136
1950	9,046	8,671	9,996										

1/ Estimate based on national indications of milk production and utilization. Subject to revision when data for all individual States become available.

Table 2 - Total supply and utilization of milk in the United States 1939-49

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949 1/
M i l l i o n p o u n d s											
Milk production											
By cows on farms	106,792	109,502	115,268	118,884	117,785	117,992	121,504	119,713	119,065	115,527	119,136
Total 1/	109,618	112,328	118,094	121,710	120,611	120,818	124,330	122,539	121,891	118,353	121,962
Utilization (milk equivalent)											
Manufactured in plants											
Creamery butter											
Total	36,167	37,349	38,077	35,938	34,460	30,620	28,065	24,145	27,430	24,974	29,070
From whey cream	495	548	665	775	698	713	780	772	830	768	840
Net	35,672	36,801	37,412	35,163	33,762	29,907	27,285	23,373	26,600	24,206	28,230
Cheese											
American	5,459	6,115	7,612	9,247	7,743	8,090	8,777	8,058	9,393	8,563	9,340
Other	1,632	1,747	1,945	1,874	2,179	2,045	2,346	2,894	2,381	2,330	2,540
Canned milk											
Evaporated	4,636	5,266	7,023	7,592	6,594	7,384	8,147	6,567	6,899	7,271	5,890
Sweetened condensed	76	137	268	147	278	330	339	269	389	295	250
Bulk condensed milk											
Unsweetened	260	312	278	307	249	289	310	237	423	539	610
Sweetened	119	165	172	163	145	138	167	151	179	98	80
Dry whole milk	185	223	347	474	1,052	1,355	1,650	1,421	1,250	1,293	980
Frozen dairy products											
Ice cream, total	4,519	4,712	5,754	6,795	5,177	5,354	5,788	9,595	8,732	7,904	7,670
Other 2/, total					199	202	268	108	105	127	160
Fat from other products 3/	951	982	1,214	1,457	826	859	926	1,507	1,346	1,223	1,190
Net from milk and cream	3,568	3,730	4,540	5,338	4,550	4,697	5,130	8,196	7,491	6,808	6,640
Other manufactured products 4/	54	54	63	94	196	514	720	552	515	559	550
Total factory products 5/ ..	51,661	54,550	59,660	60,399	56,748	54,749	54,871	51,718	55,520	51,962	55,110
Used for farm butter	8,653	8,129	7,967	7,365	6,851	6,608	6,755	6,630	6,268	5,928	5,605
Consumed as milk or cream											
In cities and villages	33,056	33,519	34,863	37,650	41,000	43,000	46,000	47,000	45,000	44,500	45,000
On farms where produced	12,167	12,063	12,020	11,856	11,615	11,685	11,671	12,318	12,295	12,314	12,480
Fed to calves	2,967	2,994	3,124	3,294	3,276	3,270	3,335	3,255	3,228	3,109	3,219
To balance 6/	1,114	1,073	460	1,146	1,121	1,506	1,698	1,618	-420	540	548

1/ Includes an allowance of 2,826 million pounds for milk produced by cows not on farms, the same as in 1930 when information on this item was last obtained. 2/ Milk sherbet and ice milk. Not available prior to 1943.

3/ Milk equivalent of butter and condensed milk used in ice cream. 4/ Includes dry cream, malted milk, dry part skim milk, dry ice cream mix and, for 1946 and later years, whole milk equivalent of the fat in cottage cheese.

5/ Includes net milk equivalents on butter and frozen dairy products to avoid double counting of milk from which fat was reused in making a second dairy product. 6/ Residual, including miscellaneous minor uses; net imports, exports and year-end carry-over of milk and cream; as well as any inaccuracies of independently determined use estimates.

7/ Preliminary.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS
WASHINGTON, D. C.

FARM PRODUCTION, DISPOSITION, AND INCOME FROM
MILK, 1948-49 1/

SUMMARY

An all-time high milk production per cow from the smallest number of milk cows since 1930 resulted in a farm milk output of 119.1 billion pounds in 1949. This was 3 percent more than in 1948, but 2 percent short of the high record established in 1945. Production of farm-churned butter declined further to 283 million pounds, but still represented about one-sixth of all butter produced in this country. The volume of milk used on farms was a trifle greater than the low figure for 1948, while the amount used for milk, cream, and butter sold from farms increased sharply and was second only to that in 1945. The quantity of whole milk sold by farmers to plants and dealers reached a new high of 73.1 billion pounds in 1949. Butterfat in cream sold by farmers, totaling 758 million pounds, was up 2 percent from the recent year low in 1948. Farmers retailed less milk directly to consumers and sold less farm-churned butter than in any other year in the past quarter century for which records are available. Farmers cash receipts from marketings of milk, cream, and farm butter in 1949 totaled 3.8 billion dollars, 15 percent less than in 1948, but the third highest on record. Gross farm income, including the value of farmers' home-consumed dairy products as well as receipts from marketings, totaled 4.5 billion dollars in 1949. Returns to farmers for milk used in all forms of sale averaged \$3.83 per one hundred pounds of milk or 96 cents per pound of butterfat. This was about 18 percent less than in 1948, but still more than twice the average unit returns for milk in 1940.

Milk production higher

In 1949, milk production on farms in the United States totaled 119.1 billion pounds, 3 percent more than in 1948, but still 2 percent short of the record output of 1945. Annual production per cow averaged 5,239 pounds of milk, containing 208 pounds of butterfat, establishing a new high record by a substantial margin. Output per cow in 1949 was about one-fourth greater than it was 25 years ago. The number of milk cows on farms during 1949 is estimated at 22.7 million head, the smallest average number since 1930. However, in the latter part of 1949, cow numbers were again on the increase, following a record-long five-year period of decline. National data on number of milk cows on farms, average production per cow, and total milk and butterfat production over the past quarter century are shown in table 3. Figures for individual States for 1948 and 1949 are included in tables 5 and 7.

In 1949, production of farm-churned butter continued on the down grade with output for the year totaling 283 million pounds. This was 5 percent less than in 1948 and only about one-fourth as much as when farm butter production reached its all-time high just before the end of the 19th century. Though gradually being displaced by creamery butter, farm-churned butter in 1949 still represented about one-sixth of the total production of butter in this country. Farm butter utilized the fat from some 5.6 billion pounds of milk, or about 5 percent of the national production. Texas, which produced 28.5 million pounds in 1949, led all States in farm butter production. Alabama with 28.2 million pounds was a close second, followed in order by North Carolina, Georgia, and Tennessee.

1/ Prepared by John L. Wilson and Ovide E. Grenier, Agricultural Statisticians, under the general direction of B. H. Bennett, Head, Division of Dairy Statistics.

The amount of milk used in 1949 on farms where produced is estimated at 20.5 billion pounds, the same as in 1948 and also in line with the generally stable level of recent years. Of this farm-used milk, 12.5 billion pounds were consumed by farm families as fluid milk or cream, 4.8 billion pounds were consumed as farm-churned butter and 3.2 billion pounds were fed to calves. In comparison with 1948, there was a slight change in farm consumption of fluid milk and cream, but 4 percent more milk was fed to calves and 5 percent less was consumed as farm butter.

Larger farm marketings of milk and cream

Whole milk, cream, and farm-churned butter sold from farms in 1949 utilized about 98.7 billion pounds of milk, almost 4 billion pounds more than in 1948. Except for 1945, this is the largest volume of milk sold from farms since disposition records began in 1924. Of this total, 73.1 billion pounds were delivered as whole milk to plants and dealers—a new all-time high; 20.1 billion pounds were skimmed on farms for delivery to plants as cream; 4.6 billion pounds were retailed by farmers direct to consumers; and 0.8 billion pounds were used in farm-churned butter for sale. Compared with 1948, the volume of milk sold to plants and dealers was up 5 percent, milk skimmed on farms for delivery to plants as cream up 2 percent, milk retailed direct by farmers was down 6 percent, and milk used in farm-churned butter sold down 7 percent.

Deliveries of whole milk to plants and dealers from all the more important milk-selling States showed moderate to substantial increases over 1948. Among the more important States, increases were as follows: 3 percent in California, 4 percent in Wisconsin, 5 percent in Minnesota, Michigan and Ohio, 8 percent in Pennsylvania, 10 percent in Virginia and Missouri, and 11 percent in New York. Substantial increases also occurred in a number of Southeastern States. In the West North Central region, the most important cream-selling area, 13.1 billion pounds of milk were skimmed for sale as cream in 1949, up slightly from the 13.0 billion pounds in 1948. The greatest increase took place in Minnesota while Iowa and Kansas also made minor gains over a year ago. North Dakota, South Dakota, Nebraska, and Missouri, all marketed less cream in 1949 than in 1948.

Farmers' retail sales of milk and cream direct to consumers declined again during 1949 thus maintaining the downtrend begun in 1935. For all regions and most individual States the 1949 volume was less than in 1948. The enactment of Pasteurization laws in a few more States has tended to further discourage sales by small producer-distributors. National estimates of farmers' disposition of milk from 1924 through 1949 are shown in table 3 and estimates by States for 1948 and 1949 are shown in tables 5 and 7.

Value of milk products sold by farmers drops sharply

The first major post-war drop in returns from farm marketings of dairy products occurred in 1949 as prices received per unit of product sold declined sharply. In 1949 the cash received by farmers from marketings of dairy products amounted to \$3,781,617,000, a drop of 15 percent from a year earlier. These receipts represent the combined value of the milk, cream, and farm-churned butter sold by farmers, but do not include income from the sale of cattle and calves from their milking herds which totaled probably 1-3/5 billion dollars. Though the volume of milk products sold in 1949, on a milk equivalent basis, increased substantially, this increase was more than off-set by the sharp reduction in the per unit return. This is the first time in 10 years that a decrease has been experienced. The 1949 value of farm receipts from milk, however, is still higher than for any year prior to 1947.

Whole milk sold by farmers to plants and dealers in 1949 provided slightly more than three-fourths of the cash returns from all milk products sold. The 73 billion pounds of milk sold to plants brought an average price of \$3.96 per hundred pounds and a total cash return to farmers of \$2,892,237,000. The value of the milk sold dropped well below the value for the last two years, but was well above that for any other year. The average return per 100 pounds of milk was down 91 cents or 19 percent from 1948 so that a 15 percent reduction in total value of milk sold to plants was recorded even though the volume of sales was up moderately.

Sales of farm-skimmed cream to dairy plants, used principally for making butter, totaled 758 million pounds of butterfat in 1949, the second smallest quantity marketed by farmers in 26 years of record. Compared with 1948, sales of farm-skimmed cream increased in all geographic divisions except the West. However, in the East North Central States where some shift from selling milk back to selling cream was apparent, especially late in the year, the increase from 1948 was 12 percent as compared with only slightly more than a half percent in the West North Central States. The price of 61.5 cents received per pound of butterfat in 1949 was down 23 percent from the 79.7 cents received in 1948 and was the lowest since 1945 when the price averaged 50.3 cents. The value of cream sold totaled \$466,349,000, also the lowest since 1945. Farmers' returns from milk and cream retailed to consumers in 1949 totaled \$398,882,000. The volume of milk retailed was the smallest in records dating back through 1924, but the price of 18.5 cents per quart was only slightly lower than in 1948 and otherwise the highest of record. Sales of farm-churned butter in 1949 totaled 41,588,000 pounds, and at 58.1 cents per pound, brought producers a total return of \$24,149,000, substantially less than in 1948. The volume of farm-churned butter sold amounted to about 25 percent of the quantity sold in the middle 1920's.

Wisconsin leading dairy State

Wisconsin, again led the Nation in farm returns from milk and milk products sold. In that State, 1949 cash receipts from the sale of milk, cream, and farm butter totaled 453 million dollars, or about 12 percent of the Nation's total farm income from dairy products. New York was the second ranking State with 349 million dollars, followed by Pennsylvania with 257 million dollars, California with 254 million dollars, and Minnesota with 209 million dollars. Wisconsin was also the top ranking State in receipts from whole milk sold to plants and dealers with 437 million dollars, followed by New York with 323 million dollars, California 225 million dollars, and Pennsylvania 215 million dollars.

Iowa and Minnesota far exceeded all other States in receipts from marketings of farm-skimmed cream with a total of 97 and 83 million dollars respectively. North Dakota was the third ranking State with income from sale of farm-skimmed cream of 30 million dollars, followed closely by Nebraska with 27 million dollars and Kansas 26 million dollars. Returns from retail sales of milk and cream by farmers were highest in Pennsylvania with 38 million dollars, followed by California, Texas, and New York. Texas farmers received about $3\frac{1}{2}$ million dollars from sales of farm-churned butter, more than those in any other State. Georgia, North Carolina, Alabama and Pennsylvania were also important farm-churned butter-selling States. State data on the quantity and value of dairy products sold by farmers in 1948 and 1949 are shown in tables 6 and 8.

Southern states lead in value of farm-consumed dairy products

The value of the milk, cream, and farm butter consumed in households on farms where produced totaled 734 million dollars in 1949. The value of the products consumed on farms in each State is computed by multiplying the milk equivalent represented in the products by the average returns per hundred pounds of milk in dairy products sold in that State. In Southern States, where the farm population is large

Table 3 - Production and disposition of milk on farms, United States, 1924-49

Production of milk and milk products										Disposition of milk produced									
Year	Number of milk cows on farms 1/	Production per milk cow 2/		Percent- age of butter- fat in milk	Total production on farms 2/		Butter churned on farms		Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farms						
		Milk	Butter- fat		Milk	Butter- fat made	Fed to calves	Consumed in the farm household		Total used on farms	For farm- churned butter sold	For deliveries to plants and dealers		Total utilized for products sold					
								As milk or cream	As butter			As cream	As milk						
	Thous.	Pounds	Pounds	Percent	Mill. lb.	Mill. lb.	Mill. lb.	Thous. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.			
1924	21,417	4,167	163.2	3.92	89,240	3,495	13,245	642,803	2,742	11,841	9,562	24,145	3,683	29,366	25,907	6,139			
1925	21,503	4,218	165.1	3.92	90,699	3,551	12,736	618,730	2,784	11,662	9,278	23,724	3,458	30,417	26,830	6,270			
1926	21,312	4,379	171.7	3.92	93,325	3,659	12,734	620,320	2,858	11,506	9,370	23,734	3,364	32,123	27,707	6,397			
1927	21,191	4,491	176.2	3.92	95,172	3,734	12,436	607,245	2,901	11,315	9,214	23,430	3,222	33,356	28,600	6,564			
1928	21,223	4,516	177.3	3.93	95,843	3,762	11,793	577,040	2,944	11,207	8,799	22,950	2,994	32,814	30,367	6,718			
1929	21,618	4,579	179.7	3.92	98,988	3,884	11,046	542,064	3,012	10,932	8,273	22,217	2,773	33,808	33,347	6,843			
1930	22,218	4,508	176.8	3.92	100,158	3,929	10,647	523,285	2,986	11,207	8,150	22,343	2,497	33,974	34,497	6,847			
1931	23,108	4,459	175.0	3.93	103,029	4,045	11,061	544,395	2,997	11,913	8,554	23,464	2,507	35,468	34,614	6,976			
1932	24,105	4,307	169.2	3.93	103,810	4,079	11,820	581,450	2,859	12,507	9,180	24,546	2,640	36,095	33,501	7,028			
1933	25,062	4,180	164.2	3.93	104,762	4,114	11,798	579,845	2,878	12,784	9,293	24,955	2,505	36,524	33,705	7,073			
1934	25,198	4,033	158.7	3.94	101,621	3,999	11,343	558,649	2,688	12,773	9,120	24,581	2,223	33,867	33,869	7,081			
1935	24,187	4,184	165.4	3.95	101,205	4,000	10,931	539,110	2,676	12,410	8,807	23,893	2,124	32,564	35,647	6,977			
1936	23,727	4,316	170.3	3.95	102,410	4,041	10,163	501,900	2,755	12,077	8,256	23,088	1,907	31,904	38,777	6,734			
1937	23,340	4,366	172.5	3.95	101,908	4,025	9,548	472,271	2,724	11,955	7,795	22,474	1,753	30,644	40,470	6,567			
1938	23,215	4,558	180.1	3.95	105,807	4,180	9,173	453,990	2,850	11,950	7,494	22,294	1,679	32,728	42,657	6,449			
1939	23,273	4,589	181.5	3.95	106,792	4,223	8,653	428,689	2,967	12,167	7,102	22,236	1,551	32,987	43,801	6,217			
1940	23,677	4,625	183.6	3.97	109,502	4,348	8,129	402,690	2,994	12,063	6,688	21,745	1,441	33,044	47,170	6,102			
1941	24,312	4,741	188.4	3.97	115,268	4,580	7,967	395,476	3,124	12,020	6,587	21,731	1,380	34,091	52,121	5,945			
1942	25,081	4,740	188.3	3.97	118,884	4,722	7,365	366,370	3,294	11,856	6,127	21,277	1,238	31,322	59,185	5,862			
1943	25,574	4,606	183.1	3.98	117,785	4,682	6,851	341,120	3,276	11,615	5,770	20,661	1,081	30,188	60,116	5,739			
1944	25,775	4,578	182.2	3.98	117,992	4,696	6,608	329,148	3,270	11,685	5,571	20,526	1,037	26,422	64,338	5,669			
1945	25,329	4,797	190.9	3.98	121,504	4,836	6,755	336,990	3,335	11,671	5,680	20,686	1,075	24,288	69,836	5,619			
1946	24,475	4,891	194.5	3.98	119,713	4,760	6,630	333,780	3,255	12,318	5,540	21,113	1,090	21,380	70,591	5,539			
1947	23,825	4,997	198.8	3.98	119,065	4,736	6,268	315,840	3,228	12,295	5,302	20,825	966	20,969	71,127	5,178			
1948 4/	22,933	5,038	200.6	3.98	115,527	4,601	5,928	298,520	3,109	12,314	5,036	20,459	892	19,664	69,607	4,905			
1949 5/	22,741	5,239	208.5	3.98	119,136	4,741	5,605	283,110	3,219	12,480	4,778	20,477	827	20,095	73,114	4,623			

1/ Average number on farms during year, heifers that have not freshened excluded.

2/ Excludes milk sucked by calves and milk produced by cows not on farms.

3/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.

4/ Revised.

5/ Preliminary.

Table 4 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, United States, 1924-49

Year	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk				Value of milk products consumed in household on farms where produced 2/	Gross farm income from dairy products 3/
	Quantity sold	Price per lb.	Value of sales	Quantity butterfat sold	Price per lb. butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity of milk sold, equiv.	Price per quart	Value of sales	Milk utilized	Average returns 1/		Value of sales (Receipts from farm market-ings)		
														Per 100 lb. milk	Per lb. butterfat			
	1000 lb.	Ct.	1000 dol.	1000 lb.	Ct.	1000 dol.	1000 lb.	Dol.	1000 dol.	1000 lb.	Ct.	1000 dol.	1000 lb.	Dol.	Ct.	1000 dol.	1000 dol.	
1924	176,160	39.5	69,607	1,102,700	40.4	445,124	25,907	2.22	573,997	2,858	11.1	316,934	65,095	2.16	55.1	1,405,662	502,766	1,908,428
1925	165,630	40.5	67,116	1,141,700	42.4	483,821	26,830	2.38	638,137	2,914	11.2	325,651	66,975	2.26	57.7	1,514,725	506,402	2,021,127
1926	161,960	40.9	66,190	1,207,400	41.6	502,578	27,707	2.38	660,730	2,975	11.3	336,600	69,591	2.25	57.4	1,566,098	497,934	2,064,032
1927	155,410	41.5	64,529	1,255,010	44.5	559,005	28,600	2.51	717,841	3,053	11.3	343,781	71,742	2.35	59.9	1,685,156	500,138	2,185,294
1928	144,995	42.6	61,752	1,233,730	46.1	569,341	30,367	2.52	766,410	3,123	11.5	358,224	72,893	2.41	61.3	1,755,727	505,991	2,261,718
1929	135,045	42.2	56,992	1,271,120	45.2	574,259	33,347	2.53	842,182	3,188	11.5	365,056	76,771	2.39	61.0	1,838,489	485,312	2,323,801
1930	121,572	36.3	44,119	1,275,870	34.5	440,152	34,497	2.21	764,095	3,189	11.3	359,075	77,815	2.07	52.8	1,607,441	435,403	2,042,844
1931	122,352	27.2	33,321	1,332,560	24.8	329,863	34,614	1.69	584,488	3,244	10.1	329,063	79,565	1.60	40.7	1,276,735	366,216	1,642,951
1932	128,672	20.8	26,721	1,356,200	17.9	242,708	33,501	1.28	427,334	3,269	8.9	289,607	79,264	1.24	31.6	986,370	300,060	1,286,430
1933	122,015	20.1	24,533	1,371,050	18.8	257,549	33,705	1.30	439,179	3,288	8.6	282,945	79,807	1.26	32.1	1,004,206	305,292	1,309,498
1934	108,542	22.7	24,636	1,272,220	22.7	288,951	33,869	1.55	523,497	3,493	9.4	308,433	77,040	1.49	37.8	1,145,517	352,924	1,498,441
1935	103,970	26.7	27,766	1,223,560	28.1	343,457	35,647	1.74	620,951	3,243	9.8	318,030	77,312	1.69	42.8	1,310,204	386,026	1,696,230
1936	93,538	28.8	26,982	1,197,170	32.2	385,997	38,777	1.93	748,218	3,135	10.1	316,685	79,322	1.86	47.1	1,477,882	400,097	1,877,979
1937	86,332	29.6	25,948	1,151,270	33.3	382,801	40,470	1.97	796,068	3,056	10.5	320,354	79,434	1.92	48.6	1,524,771	406,214	1,930,985
1938	82,562	26.6	22,001	1,229,860	26.3	322,893	42,657	1.72	733,221	2,997	10.3	309,811	83,513	1.66	42.0	1,387,926	353,452	1,741,378
1939	76,363	25.0	19,113	1,237,940	23.9	295,456	43,801	1.68	734,703	2,890	10.3	296,250	84,556	1.59	40.3	1,345,522	341,302	1,686,824
1940	70,779	26.6	18,857	1,250,280	28.0	350,577	47,170	1.82	856,987	2,841	10.3	293,925	87,757	1.73	43.6	1,520,346	358,548	1,878,894
1941	68,018	30.4	20,685	1,289,860	34.2	441,403	52,121	2.18	1,137,957	2,766	10.8	298,546	93,537	2.03	51.1	1,898,590	404,095	2,302,685
1942	61,056	35.2	21,515	1,183,860	39.6	468,851	59,185	2.57	1,523,653	2,728	11.8	322,015	97,607	2.39	60.2	2,336,034	460,007	2,796,041
1943	53,326	43.7	23,319	1,139,910	49.9	568,313	60,116	3.12	1,874,825	2,669	12.8	340,406	97,124	2.89	72.6	2,806,863	538,512	3,345,375
1944	51,315	43.8	22,463	999,110	50.3	502,767	64,338	3.21	2,064,364	2,639	13.2	348,240	97,466	3.01	75.6	2,937,834	556,274	3,494,108
1945	53,216	45.3	24,091	919,630	50.3	462,314	69,836	3.19	2,227,690	2,614	13.4	349,285	100,818	3.04	76.4	3,063,380	563,566	3,626,946
1946	54,496	58.3	31,752	806,780	64.3	518,605	70,591	3.96	2,792,827	2,579	15.2	392,482	98,600	3.79	95.2	3,735,666	713,900	4,449,566
1947	48,518	63.3	30,727	790,510	71.8	567,822	71,127	4.26	3,027,005	2,408	17.5	421,004	98,240	4.12	103.5	4,046,355	787,281	4,833,636
1948 4/	44,778	66.8	29,929	741,210	79.7	591,047	69,607	4.87	3,389,534	2,283	18.5	430,094	95,068	4.67	117.3	4,440,604	862,437	5,303,041
1949 5/	41,588	58.1	24,149	757,690	61.5	466,349	73,114	3.96	2,892,237	2,151	18.5	398,882	98,659	3.83	96.2	3,781,617	734,321	4,515,938

^{1/} Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

^{2/} Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

^{3/} Value of combined sales, plus value of products consumed in the farm household.

^{4/} Revised.

^{5/} Preliminary.

Table 5 - Production and disposition of milk on farms, by States, 1948 1/

State and Division	Production of milk and milk products						Disposition of milk produced											
	Number of milk cows on farms 2/	Production per milk cow 3/		Percent- butter- fat in milk	Total production on farms 3/		Butter churned on farms			Milk fed or consumed on farms where produced			Milk sold or utilized for preparation of dairy products sold from farms					
		Milk	Butter- fat		Milk	Butter- fat	Milk	Butter made	Fed to calves	Consumed in the farm household		Total used on farms	For farm- churned butter sold	For deliveries to retail sales of milk and cream by farmers 4/		Total utilized for product sold		
										As milk or cream	As butter			As milk cream	As milk			
Thous.	Pounds	Pounds	Percent	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Maine	119	5,100	214	4.2	607	25	84	4,200	10	74	38	122	15	342	82	485		
N. H.	62	5,330	208	3.9	330	13	590	590	6	27	6	39	6	238	43	291		
Vt.	269	5,400	221	4.1	1,453	60	14	700	28	61	6	95	6	1,305	39	1,358		
Mass.	124	6,060	242	4.0	751	30	8	390	13	49	5	67	3	550	128	684		
R. I.	20	6,800	257	3.9	132	5	1	30	15	2	1	9	2	104	19	123		
Conn.	111	5,960	227	3.8	644	25	6	300	15	41	4	60	2	511	90	604		
N. Y.	1,320	6,100	229	3.75	8,052	302	99	4,500	234	375	48	657	51	6,920	359	7,395		
N. J.	156	6,890	269	3.9	1,075	42	8	350	16	38	6	60	2	914	99	1,015		
Pa.	954	5,740	224	3.9	5,476	214	129	6,000	120	358	67	545	62	4,350	427	4,931		
N. A.	3,135	5,914	228.4	3.86	18,540	716	361	17,060	444	1,029	181	1,654	180	15,234	1,286	16,866		
Ohio	1,023	5,190	213	4.1	5,309	218	90	4,500	143	451	68	662	22	4,000	182	4,647		
Ind.	730	4,860	207	4.25	3,548	151	45	2,300	82	352	37	471	8	2,590	75	3,077		
Ill.	977	5,290	204	3.85	5,168	199	90	4,200	114	511	77	702	13	3,571	190	4,466		
Mich.	952	5,610	222	3.95	5,341	211	80	3,700	124	409	58	651	22	3,738	80	4,690		
Wis.	2,323	6,420	238	3.7	14,914	552	12	540	192	480	8	980	4	13,510	100	13,934		
N. C. S.	6,005	5,703	221.6	3.88	34,280	1,331	317	15,240	1,015	2,203	248	3,466	69	2,597	27,521	627	30,814	
Minn.	1,434	5,590	201	3.6	8,016	289	30	1,300	224	494	28	746	2	3,368	3,790	90	7,270	
Iowa	1,147	5,220	198	3.8	5,987	228	84	3,700	180	540	79	799	5	3,976	1,110	97	5,188	
Mo.	916	4,500	194	4.3	4,122	177	186	9,300	103	531	172	806	14	2,350	136	3,316		
N. Dak.	392	4,550	171	3.75	1,784	67	113	5,000	68	168	109	345	4	1,324	80	31	1,439	
S. Dak.	349	4,060	154	3.8	1,417	54	59	2,600	52	168	57	277	2	1,000	38	1,140		
Nebr.	478	4,720	179	3.8	2,256	86	127	5,600	83	272	122	477	5	1,329	360	85	1,779	
Kan.	599	4,500	180	4.0	2,696	108	112	5,200	105	315	104	524	8	1,205	849	110	2,132	
N. C. W.	5,315	4,944	189.8	3.84	26,278	1,009	711	32,700	815	2,488	671	3,974	40	13,038	8,639	587	22,704	
Del.	35	5,040	202	4.0	1,176	7	3	120	3	13	2	18	1	142	15	158		
Md.	220	5,300	212	4.0	1,166	47	19	900	22	77	11	110	8	937	98	1,056		
Va.	447	4,460	190	4.25	1,994	85	318	15,900	60	361	262	683	56	215	930	110	1,311	
W. Va.	213	3,970	171	4.3	846	36	146	7,500	28	239	123	390	23	102	236	95	456	
N. C.	355	4,330	195	4.5	1,537	69	430	22,500	31	494	359	884	71	22	460	100	653	
S. C.	159	3,710	167	4.5	590	27	189	9,900	9	196	160	365	29	10	120	66	225	
Ga.	351	3,420	154	4.5	1,200	54	411	21,500	17	323	335	675	76	325	95	525		
Fla.	133	3,850	164	4.25	512	22	27	1,400	5	60	22	87	5	341	78	425		
S. A.	1,913	4,193	181.4	4.33	8,021	317	1,543	79,720	175	1,763	1,274	3,212	269	392	3,491	557	4,809	
Ky.	565	3,860	170	4.4	2,181	96	261	13,400	39	533	243	815	18	371	840	137	1,366	
Tenn.	583	3,790	169	4.45	2,210	98	398	28,800	35	466	347	848	51	140	1,090	81	1,362	
Ala.	374	3,500	158	4.5	1,309	59	539	28,800	16	387	470	873	69	17	280	70	436	
Ark.	458	2,960	133	4.2	1,356	61	336	17,600	20	373	321	710	15	48	520	63	646	
N. Mex.	61	3,900	164	4.2	238	10	14	700	5	45	13	63	1	60	179	35	773	
Ariz.	45	5,600	213	3.8	252	10	10	450	7	19	9	35	1	10	171	35	217	
Utah	104	2,360	238	3.75	661	25	15	670	20	73	13	106	2	52	466	35	555	
Nev.	17	6,000	222	3.7	102	4	4	180	4	4	3	14	1	25	46	16	88	
Wash.	310	6,520	274	4.2	2,021	85	64	3,100	73	157	58	288	6	238	1,360	129	1,733	
Oreg.	222	5,790	261	4.5	1,285	58	38	2,000	46	132	36	214	2	218	785	66	1,071	
Calif.	804	7,240	282	3.9	5,821	227	43	2,000	151	182	38	371	5	72	5,048	330	5,496	
West.	2,136	6,311	252.3	4.00	13,480	539	313	14,800	421	935	283	1,539	30	1,541	9,438	832	11,841	
U. S.	22,933	5,038	200.6	3.98	115,527	4,601	5,928	298,520	3,109	12,314	5,036	20,459	892	19,664	69,607	4,905	95,068	

1/ Revised. 2/ Average number on farms during year, heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms.

4/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.

Table 6 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by State, 1948 1/

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in household on farm where produced 2/	Gross farm income from dairy products 4/	
	Quantity sold	Price per lb.	Value of sales	Quantity sold	Price per lb. butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns 2/				Value of sales (Receipts from farm market-ings)
														Per 100 lb. milk	Per lb. butterfat			
Maine	2,300	79	1,817	630	85	523	342	5.91	20,212	38	19.9	7,562	485	6.21	118	30,114	6,955	37,069
N. H.	300	80	240	160	85	136	238	6.08	14,470	20	21.4	4,280	291	6.57	168	19,126	2,168	21,294
Vt.	400	80	320	260	86	224	74,516	5.71	74,516	18	20.3	3,654	1,358	5.80	101	78,714	3,886	82,600
Mass.	150	82	123	120	88	106	36,245	6.59	36,245	60	21.5	12,900	684	7.22	120	49,374	3,899	53,273
R. I.	8	83	7	104	86	6,926	104	6.66	6,926	9	21.5	1,935	123	7.21	125	8,868	505	9,373
Conn.	70	84	59	40	87	36	32,857	6.43	32,857	42	21.2	8,904	604	6.93	132	44,856	3,118	44,974
N. Y.	2,300	78	1,794	2,420	77	1,863	361,224	5.22	361,224	167	18.4	30,728	7,395	5.35	113	395,609	22,630	418,239
N. J.	90	76	68	914	80	728	54,566	5.97	54,566	46	21.0	9,660	1,015	6.33	162	64,294	2,785	67,079
Pa.	2,900	78	2,262	3,510	80	2,808	4,350	5.35	23,725	199	20.3	40,597	4,931	5.64	115	278,192	23,970	302,162
N.A.	8,518	78.5	6,690	7,140	79.8	5,695	15,234	5.47	83,711	599	20.0	120,020	16,886	5.72	118.2	966,117	69,916	1,036,063
Ohio	1,100	77	847	18,030	75	13,522	4,000	5.06	20,240	85	19.5	16,575	4,647	5.02	122	233,344	26,054	295,398
Ind.	430	77	331	16,890	75	12,668	2,590	4.83	12,668	35	18.4	6,440	3,077	4.70	111	144,536	18,283	162,819
Ill.	600	77	462	26,230	74	19,440	3,571	4.48	15,981	88	17.0	14,960	4,466	4.36	113	194,813	25,637	220,450
Mich.	1,000	79	790	28,410	83	23,580	3,850	4.79	18,415	37	17.8	6,586	4,690	4.59	116	215,371	21,435	236,806
Wis.	160	80	128	11,780	86	10,131	13,510	4.23	57,143	47	16.8	7,896	13,934	4.23	114	589,628	20,642	610,270
N.C.W.	3,290	77.8	2,558	101,340	78.3	79,311	27,521	4.52	1,243,366	292	18.0	52,457	30,814	4.47	115.2	1,377,692	112,091	1,489,743
Minn.	100	82	82	119,260	87	103,756	3,790	3.94	14,932	42	16.5	6,970	7,270	3.58	99	260,094	18,688	278,782
Iowa	230	81	186	145,520	86	125,147	1,110	4.37	48,807	45	17.0	7,690	5,188	3.50	92	181,490	21,665	203,155
Mo.	720	71	511	37,700	72	24,264	2,390	4.73	111,155	63	16.4	10,332	3,316	4.41	103	116,262	31,002	177,264
N. Dak.	170	80	136	12,330	80	9,664	80	4.26	3,408	14	16.5	2,324	1,439	3.09	82	44,532	8,559	53,091
S. Dak.	110	81	89	36,400	79	28,756	100	4.34	4,340	18	17.1	3,078	1,140	3.18	84	36,263	7,155	43,418
Febr.	220	79	174	48,510	75	36,362	360	4.49	16,164	40	17.0	6,800	1,779	3.35	88	57,520	13,199	72,719
Kans.	370	77	285	45,790	75	34,342	249	4.52	38,375	51	17.8	9,078	2,172	3.78	94	82,080	15,838	97,918
N.C.W.	1,920	76.2	1,463	477,510	81.9	391,311	8,639	4.30	371,275	273	16.9	46,192	22,304	3.63	94.5	810,211	116,106	926,347
Del.	50	69	34	119,260	87	103,756	3,790	3.94	14,932	42	16.5	6,970	7,270	3.58	99	260,094	18,688	278,782
Pa.	350	68	238	8,600	72	353	937	5.40	5,400	7	19.8	1,385	1,056	3.75	114	862	9,350	9,950
N. Y.	2,800	57	1,596	4,180	74	3,093	930	5.79	54,252	46	19.3	8,878	1,056	3.75	114	862	9,350	9,950
W. Va.	1,200	52	744	4,180	74	3,093	236	5.25	12,484	14	18.6	8,184	1,311	5.12	120	67,155	31,898	99,053
N. C.	3,700	59	2,183	910	62	564	460	5.31	25,346	47	20.2	14,914	653	5.37	125	24,905	19,439	43,944
S. C.	1,500	62	930	420	61	256	120	6.03	7,236	31	19.9	6,169	225	6.48	144	34,591	23,069	37,620
Ga.	4,000	57	2,280	1,210	60	726	325	5.99	19,468	44	20.4	8,976	525	5.99	133	31,450	39,444	70,884
Fla.	240	71	170	40	69	28	341	7.14	24,347	36	22.2	7,982	425	7.66	180	32,537	38,818	76,818
S.A.	13,840	59.1	8,175	15,850	67.5	10,696	3,491	5.77	201,300	306	19.8	60,463	4,809	5.84	134.9	280,634	175,402	456,036
Ky.	940	64	602	15,470	71	10,984	840	4.83	40,572	64	17.5	11,200	1,366	4.64	105	36,006	36,006	99,364
Tenn.	2,600	55	1,430	5,850	71	4,154	1,090	5.15	56,132	38	16.9	6,422	1,362	5.00	112	68,141	36,006	108,791
Ala.	3,700	54	1,998	710	68	483	280	6.04	16,912	33	18.3	6,039	436	5.83	130	49,963	49,963	75,395
Miss.	800	66	496	2,070	71	1,470	520	5.20	27,040	29	18.7	5,423	646	5.33	118	34,429	36,990	71,419
Ark.	1,200	66	792	6,590	71	6,142	300	5.24	16,020	38	17.5	6,650	616	4.81	109	29,604	32,419	62,023
La.	400	66	264	254	66	139	254	6.26	15,900	29	19.7	5,713	330	6.67	148	22,016	20,877	42,893
Okla.	550	75	412	29,320	71	20,817	650	4.68	29,484	63	17.8	11,244	1,486	4.17	97	61,327	25,937	87,864
Tex.	5,600	70	3,920	16,930	70	11,851	1,370	6.11	83,707	133	19.9	26,467	2,172	5.80	132	125,945	88,508	214,453
S.C.	15,790	62.8	9,914	79,210	70.7	56,040	5,284	5.41	285,770	427	18.5	79,128	8,414	5.12	116.1	430,852	331,350	762,202
Mont.	240	78	187	10,990	78	8,572	125	4.11	5,138	27	17.7	4,779	475	3.93	101	18,676	4,362	23,038
Idaho	90	81	73	5,660	78	4,415	889	4.17	37,071	20	16.9	3,380	1,080	4.26	107	44,939	4,950	49,889
Wyo.	60	83	50	3,720	80	2,976	100	4.51	4,510	11	18.8	2,068	224	4.29	114	9,604	2,102	11,706
Colo.	170	80	136	12,080	77	9,302	374	4.69	17,541	29	17.3	5,017	773	4.14	109	31,896	6,376	38,372
N.Mex.	70	75	52	2,480	77	1,863	79	6.34	5,009	16	20.5	3,280	175	5.83	139	10,204	3,361	13,585
Ariz.	50	78	39	360	76	289	171	5.06	8,653	16	19.7	3,152	217	5.59	147	12,133	1,565	15,698
Utah	70	81	57	1,940	82	1,591	466	4.35	20,271	16	16.0	2,560	555	4.41	118	24,272	3,793	28,272
Nev.	30	81	24	920	82	754	46	4.49	2,065	7	16.8	1,176	88	4.57	124	4,019	4,476	4,476
Wash.	300	78	234	9,830	82	8,061	1,360	4.87	66,232	60	19.1	11,460	1,733	4.96	118	85,987	10,664	96,651
Oreg.	130	82	107	9,440	83	7,835	785	5.35	41,998	31	19.5	6,045	1,071	5.23	116	55,985	8,766	64,771
Calif.	210	81	170	2,730	84	2,335	5,043	4.87	245,594	153	18.9	28,917	5,450	5.08	130	277,016	11,176	288,192
WEST	1,420	79.5	1,129	50,160	79.8	47,993	9,438	4.81	454,082	386	18.6	71,834	11,841	4.86	121.5	575,038	57,632	632,650
U. S.	44,778	66.8	29,929	741,210	79.7	591,047	69,607	4.87	3,383,534	2,283	18.8	430,094	95,068	4.67	117.3	4,440,604	862,437	5,303,041

1/ Revised. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.

Table 7 - Production and disposition of milk on farms, by State, 1949 1/

Production of milk and milk products										Disposition of milk produced									
State and Division	Number of milk cows on farms 2/	Production per milk cow 3/		Percent butter-fat in milk	Total production on farms 3/		Milk fed or consumed on farms where produced			Milk sold or utilized for preparation of dairy products sold from farms									
		Milk	Butter-fat		Milk	Butter-fat	Fed to calves	Consumed in the farm household		Total used on farms	For farm-churned butter sold	For deliveries to plants and dealers		Total utilized for sale of milk and cream by farmers 4/					
								As milk	As cream or butter			As milk	As cream						
	Thous.	Pounds	Percent	Mill. lb.	Mill. lb.	Thous. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.				
Maine	116	5,420	4.2	629	26	76	11	76	34	121	42	16	370	80	508				
N. H.	61	5,520	3.9	337	13	10	6	29	5	40	5	5	245	42	297				
Vt.	261	5,800	4.1	1,514	62	13	29	62	6	97	7	6	1,367	37	1,417				
Mass.	121	6,240	4.0	755	30	8	13	68	5	68	3	2	560	122	687				
R. I.	20	7,000	2.73	140	5	1	30	2	1	9	-	-	112	19	131				
Conn.	110	6,450	3.8	710	27	7	310	41	5	62	2	1	567	78	646				
N. Y.	1,350	6,450	3.75	8,708	327	82	3,700	235	368	42	40	66	7,670	287	8,063				
N. J.	158	7,210	3.9	1,139	44	7	320	18	39	5	62	2	978	97	1,077				
Pa.	967	6,240	3.9	5,812	227	108	5,000	122	353	55	53	120	4,710	399	5,282				
N. A.	3,164	6,240	3.85	19,744	761	312	14,690	452	1,024	158	154	216	16,579	1,161	18,110				
Ohio	1,016	5,420	4.1	5,507	226	84	4,200	147	445	64	20	465	4,200	165	4,863				
Ind.	717	5,040	4.25	3,614	154	43	2,200	83	353	35	8	433	2,640	62	3,143				
Ill.	944	5,560	3.85	5,249	202	71	3,300	115	516	60	11	767	3,600	180	4,558				
Mich.	959	5,520	3.95	5,677	224	58	2,700	199	417	42	16	893	4,060	50	5,019				
Wis.	2,303	6,760	3.7	15,568	576	11	500	529	472	8	3	366	14,100	90	14,559				
N. C.	5,939	5,977	3.88	35,635	1,382	267	12,900	1,073	2,203	209	58	2,925	28,600	547	32,130				
Minn.	1,396	5,960	3.6	8,320	300	28	1,200	241	486	26	2	3,500	3,980	85	7,567				
Iowa	1,113	5,320	3.8	5,921	225	81	3,600	178	545	76	739	970	4,057	90	5,122				
Mo.	920	4,720	4.3	4,342	187	174	8,700	109	537	160	14	806	2,580	136	3,536				
N. N. Dak.	377	4,590	3.75	1,730	65	93	4,100	64	173	90	3	1,280	80	30	1,403				
S. Dak.	334	4,100	3.8	1,369	52	43	1,900	51	168	41	260	3	970	100	37				
Nebr.	460	4,700	3.8	2,162	82	113	5,000	84	283	108	475	5	1,272	330	80				
Kans.	580	4,500	4.0	2,610	104	103	4,800	104	319	96	519	7	1,214	770	2,091				
N. C. W.	5,180	5,107	3.84	26,454	1,015	635	29,300	831	2,511	597	38	13,109	8,810	558	22,635				
Del.	35	5,180	4.0	181	7	3	120	4	14	2	20	1	146	14	161				
Md.	225	5,550	4.0	1,249	50	17	800	22	79	10	111	7	1,020	97	1,138				
Va.	455	4,570	4.25	2,079	88	300	15,000	64	370	246	680	54	219	1,023	1,399				
W. Va.	216	4,100	4.3	886	38	146	7,500	30	257	124	411	22	111	247	95				
N. Y. O.	359	4,510	4.5	1,619	73	424	22,200	32	511	356	899	68	25	532	95				
S. O.	156	3,940	4.5	615	28	187	9,800	10	222	159	391	28	10	122	64				
Okla.	353	3,650	4.5	1,288	58	405	21,200	19	358	329	706	76	29	382	95				
Fla.	135	4,100	4.25	554	24	27	1,400	5	62	23	90	4	379	80	464				
S. A.	1,934	4,360	4.32	8,471	366	1,509	78,020	186	1,873	1,249	38	409	3,851	643	5,163				
Ky.	577	4,050	4.4	2,343	103	259	13,300	45	566	239	850	20	411	925	1,493				
Tenn.	589	3,950	4.45	2,327	104	374	19,200	35	469	327	831	47	155	1,213	1,496				
Ala.	371	3,700	4.5	1,373	62	527	28,300	21	398	462	81	65	25	333	69				
Miss.	456	2,560	4.5	1,350	61	330	17,300	15	357	314	686	16	49	540	59				
Ark.	400	3,280	4.4	1,312	58	289	14,800	17	399	267	683	22	226	301	80				
La.	258	2,600	4.5	671	30	101	5,300	9	233	93	335	12	5	260	63				
Okla.	590	3,650	4.3	2,154	93	172	8,600	56	457	160	673	8	680	650	139				
Tex.	1,155	3,270	4.4	3,777	166	556	28,500	57	1,048	455	1,560	101	449	1,390	2,217				
S. C.	4,396	3,482	4.42	15,307	677	2,608	135,200	255	3,927	2,317	291	2,000	5,612	905	8,808				
Mont.	117	4,880	3.90	571	22	34	1,600	22	70	30	122	4	260	127	449				
Idaho	197	5,890	3.9	1,160	45	20	1,000	41	99	19	159	2	134	823	58				
Wyo.	52	5,250	3.75	273	10	14	640	9	33	13	55	1	97	99	21				
Colo.	189	5,150	3.8	973	37	29	1,300	38	109	26	173	3	400	62	800				
N. Mex.	59	4,130	4.2	244	10	13	610	6	47	12	66	1	335	85	35				
Ariz.	45	5,800	3.8	261	10	9	390	7	20	8	35	1	58	182	35				
Utah	105	6,370	3.75	669	25	11	500	20	77	10	107	1	41	485	35				
Nev.	17	6,050	4.7	103	4	4	160	4	7	3	14	1	24	48	16				
Wash.	307	6,560	4.2	2,014	85	64	3,100	73	156	58	287	6	224	1,373	124				
Oreg.	223	5,850	4.5	1,305	59	36	1,900	47	139	34	220	2	191	830	62				
Calif.	817	7,310	3.9	5,972	233	39	1,800	155	185	35	375	26	64	5,210	319				
WEST	2,128	6,365	3.99	13,545	540	274	13,000	422	942	248	1,612	26	1,436	9,662	809				
U. S.	22,741	5,239	3.98	119,136	4,741	5,605	283,110	3,219	12,480	4,778	20,477	827	20,095	73,114	4,823				
															98,659				

1/ Preliminary. 2/ Average number on farms during year. Heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms.

4/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.

Table 8 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1949 1/

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in household on farms where produced 2/	Gross farm income from dairy products 3/	
	Quantity sold	Price per lb.	Value of sales	Quantity of butterfat sold	Price per lb. of butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity of milk sold, equiv.	Price per quart	Value of sales	Milk utilized	Average returns				Value of sales (Receipts) from farm market 1000 dol.
														Per lb. of milk	Per lb. of butterfat			
Maine	2,100	67	1,407	680	71	483	370	5.02	1,857	37	20.1	7,437	508	5.49	131	27,901	6,039	33,940
N. H.	2,400	66	1,584	200	70	140	245	5.15	1,248	20	20.7	4,140	297	5.74	147	17,056	1,952	19,008
Vt.	380	66	251	260	71	185	1,367	4.62	63,155	17	19.6	3,332	1,417	4.72	115	66,923	3,210	70,133
Mae.	140	69	97	80	73	58	560	5.80	32,480	57	21.2	12,084	667	6.51	163	44,719	3,580	48,299
H. I.	8	69	6				152	6.34	7,401					6.85	176	8,970	480	9,450
Conn.	70	69	48	40	74	30	567	6.17	34,984	36	20.8	7,468	131	6.57	173	42,550	3,022	45,572
N. Y.	1,800	65	1,170	2,460	59	1,451	7,670	4.21	322,907	133	17.8	23,674	8,063	4.33	115	349,202	17,753	366,955
N. J.	80	66	53				978	5.26	51,443	45	21.5	9,675	1,077	5.68	146	21,499	2,499	63,670
Pa.	2,950	64	1,868	4,580	61	2,794	16,579	4.56	214,776	186	20.3	37,451	5,282	4.86	125	256,896	19,829	276,725
N. A.	7,268	65.5	4,758	8,300	61.9	5,141	16,579	4.57	758,035	500	19.9	107,451	18,110	4.83	125.5	875,388	58,354	933,752
Ohio	1,000	61	610	18,970	57	10,813	4,200	3.74	157,080	77	17.5	13,475	4,851	3.75	91	181,978	19,088	201,066
Ind.	400	62	248	18,100	59	10,619	2,600	3.69	97,416	29	17.5	5,075	3,143	3.61	85	113,418	14,007	127,425
Ill.	500	62	310	29,070	58	16,861	3,600	3.45	124,200	84	16.3	13,692	4,558	3.40	88	155,063	19,584	174,647
Mich.	750	64	480	34,360	55	22,347	4,060	3.89	157,934	42	17.4	4,002	5,019	3.68	93	184,763	16,891	201,654
Wis.	150	62	93	13,470	58	9,160	14,100	3.10	437,100	23	15.8	6,636	14,559	3.11	84	492,989	14,928	467,917
N. C.	2,800	62.2	1,741	113,990	61.3	69,860	28,600	3.40	973,730	255	16.8	42,860	32,130	3.39	87.4	1,088,211	84,898	1,172,709
Minn.	90	64	58	123,200	57	62,544	3,960	3.01	119,798	40	15.8	6,320	7,567	2.76	72	208,720	14,131	222,851
Iowa	220	64	141	146,490	56	96,518	970	3.66	35,802	42	16.9	7,098	5,132	2.72	77	139,259	16,891	156,150
Mo.	690	61	421	33,290	56	18,642	2,580	3.65	94,170	63	16.3	10,269	3,536	3.49	81	123,502	24,325	147,827
N. Dak.	140	63	88	47,080	53	29,660	80	3.74	2,992	14	16.5	2,310	1,403	2.50	67	35,050	6,575	41,625
S. Dak.	80	63	50	35,310	61	21,539	100	3.96	3,960	17	17.3	2,941	1,109	2.57	68	28,490	5,371	33,861
S. Nebr.	200	63	126	46,430	58	26,929	330	3.70	12,210	37	16.8	6,216	1,687	2.70	71	45,481	10,557	56,038
Kans.	330	64	211	46,130	57	26,294	770	3.58	27,566	47	17.6	8,272	2,091	2.98	74	62,343	12,367	74,710
N. C. W.	1,750	62.6	1,095	179,930	63.0	112,126	8,710	3.36	296,195	260	16.7	43,426	22,515	2.86	74.5	642,845	90,217	733,062
Del.	40	59	24				146	4.79	6,993	7	19.2	1,344	1,161	5.19	130	8,361	830	9,191
Md.	310	57	177	530	57	302	1,020	5.20	53,080	45	19.1	8,595	1,138	5.46	136	62,114	4,859	66,973
Va.	2,700	52	1,404	8,760	51	4,468	1,023	4.74	48,490	48	18.1	8,688	1,359	4.51	106	63,050	66,932	69,832
N. Va.	1,150	56	644	4,550	56	2,548	247	4.35	10,744	44	18.7	8,228	475	4.67	119	22,164	17,793	39,957
N. C.	3,950	55	1,952	1,040	55	572	532	4.80	25,536	44	20.2	8,888	720	5.13	134	36,948	44,477	48,425
S. C.	1,480	58	858	420	55	231	122	5.63	6,747	30	20.1	6,030	224	6.19	138	13,866	23,584	27,450
Ga.	4,000	53	2,120	1,210	56	678	382	5.67	21,659	40	20.1	8,544	582	5.72	127	33,301	39,296	42,597
Fla.	220	63	139	40	59	24	379	6.95	26,346	37	22.0	8,140	464	7.47	176	34,643	6,350	40,993
S. A.	13,450	54.4	7,318	16,550	53.3	8,823	3,551	5.18	199,549	299	19.7	58,757	5,163	5.32	123.1	274,447	184,971	439,418
Ky.	1,050	57	598	17,140	54	9,256	925	3.66	33,655	64	17.3	11,072	1,493	3.67	83	54,781	29,544	64,325
Tenn.	2,400	49	1,176	6,480	54	3,499	1,213	4.15	50,340	38	16.2	6,156	1,496	4.09	92	61,171	32,556	93,727
Ala.	3,450	49	1,690	1,040	56	584	603	3.33	20,215	32	18.2	5,824	492	5.35	119	26,332	46,010	72,342
Miss.	850	55	468	2,110	57	1,203	540	4.18	22,572	27	18.2	4,914	664	4.39	98	29,157	29,457	58,614
Ark.	1,150	58	667	9,270	56	5,191	301	4.19	12,612	37	16.6	6,142	629	3.91	89	24,612	26,041	50,653
La.	420	61	256	210	59	124	260	5.76	14,976	29	19.6	5,664	336	6.26	139	21,040	20,408	41,448
Okla.	580	63	365	26,080	55	15,444	650	4.16	27,040	65	17.6	11,440	1,481	3.67	85	54,289	22,644	76,933
Tex.	5,200	62	3,224	18,630	54	10,060	1,390	5.70	79,230	129	19.5	25,155	2,217	5.31	121	117,669	79,809	197,478
S. G.	15,100	55.9	8,444	82,980	54.7	45,360	5,612	4.61	258,840	421	18.1	76,387	8,808	4.42	100.0	389,051	286,469	675,520
Mont.	200	64	128	9,960	63	6,275	127	3.97	5,042	27	18.6	5,022	449	3.67	94	16,467	3,670	20,137
Idaho	80	67	54	5,160	61	3,148	823	3.12	25,678	20	17.3	3,460	1,001	3.23	83	32,340	3,811	36,151
Wy.	50	67	34	3,610	63	2,274	99	4.33	4,287	10	18.4	1,840	218	3.87	103	6,435	1,780	10,215
Colo.	120	64	77	12,190	60	7,314	400	4.11	16,440	29	17.6	5,104	800	3.62	95	28,935	4,887	33,822
N. Mex.	60	66	38	2,340	58	1,357	85	6.23	5,296	16	20.3	3,248	179	5.55	132	9,939	3,274	13,213
Ariz.	40	66	26	300	68	204	182	4.76	8,663	16	19.5	3,120	226	5.32	140	12,013	1,970	13,503
Utah	50	65	32	1,530	66	933	145	3.72	5,404	16	16.2	2,592	562	2.44	102	21,599	3,341	24,940
Nev.	30	66	20	880	64	563	48	4.11	1,113	89	16.9	3,883	89	4.36	118	3,883	3,436	4,319
Wash.	270	65	176	9,250	64	5,920	1,373	4.17	57,254	58	18.6	10,904	1,727	4.30	102	74,284	9,202	83,456
Oreg.	120	65	78	8,270	65	5,316	830	4.64	38,512	29	19.6	5,684	1,085	4.58	102	49,650	7,923	57,573
Calif.	200	65	130	2,470	67	1,695	5,240	4.31	224,551	148	18.8	27,884	5,597	4.54	116	294,160	9,968	284,148
U. S.	41,586	58.1	24,149	757,690	61.5	466,349	73,114	3.96	2,692,237	2,151	18.5	398,882	98,659	3.83	96.2	3,781,617	734,321	4,515,938

1/ Preliminary. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.

and much farm-churned butter is consumed, values of farm-consumed dairy products were highest. In Texas, the value of milk, cream, and farm butter consumed on farms where produced totaled 80 million dollars. Alabama with 46 million dollars and North Carolina with 44 million dollars were next in rank, followed by Georgia with 39 million dollars, Tennessee with 33 million dollars, Kentucky 30 million dollars and Mississippi 29 million dollars.

The National gross farm income from milk, including the cash receipts from milk, cream, and farm butter sold together with the value of dairy products consumed on farms where produced, totaled \$4,515,938,000 in 1949. This represents a drop of 15 percent from the record-high value in 1948 but is still well above any year prior to 1946. In gross income, Wisconsin ranked first among the States, followed by New York, Pennsylvania, California, and Minnesota.

For the milk utilized in the milk, cream, and butter sold from farms in 1949, producers received an average return of \$3.83 per 100 pounds compared with \$4.67 per 100 pounds in 1948. The average return per pound of butterfat in all products sold from farms averaged 96.2 cents in 1949 compared with 117.3 cents per pound in 1948. Among the several types of milk products sold by farmers, retail deliveries of milk directly to consumers brought the highest level of unit return per 100 pounds of milk. Returns from this type of sale in 1949 averaged \$8.63 per 100 pounds for the country as a whole. This compares with \$3.96 per hundredweight for whole milk sold to plants and dealers, \$2.92 for the farm-churned butter made from 100 pounds of milk, and \$2.32 for the cream skimmed from 100 pounds of milk. Considerably different costs are involved in the several types of milk products sold by farmers, especially for retail milk and cream where bottling and delivery expenses are involved. The average returns for butter and cream also include no allowances for the value of skim milk and buttermilk retained on farms for food or feeding purposes.

Among States, the 1949 average returns per 100 pounds of milk in products sold varied from a low of \$2.50 in North Dakota to a high of \$7.47 in Florida. The level of average unit returns is determined both by the type of milk product marketed and by the relative level of prices for dairy products in the particular area. Average returns are usually lowest in the western Corn Belt and Great Plain States where feed costs are relatively low and where sour cream is the major type of milk product sold by farmers. Average returns are highest along the East Coast and in the South where milk production costs are high and where much of the whole milk sold is utilized for fluid distribution as milk and cream.

SUPPLY AND UTILIZATION OF MILK

The total production of milk on farms and elsewhere totaled almost 122 billion pounds in 1949. Of this quantity, 45 percent was utilized in factories for the production of manufactured dairy products, 37 percent was consumed as fluid milk and cream in towns and cities, and about 18 percent was used on farms where produced for consumption in fluid form, for making butter, and for feeding calves.

The 55 billion pounds of milk used for factory production in 1949 was about 3 billion pounds more than for this purpose in 1948, but was about 5 billion pounds short of the record quantity used in manufactured products in 1942. Milk used for cheese production totaled 11.9 billion pounds, a new high record. Creamery butter production required the fat from 28.2 billion pounds of milk in 1949, an increase of 4 billion pounds from the previous year, but only about three-fourths as much as in

the peak year 1941. Evaporated and condensed milk products used up 6.8 billion pounds of milk, 17 percent less than in 1948 and the smallest quantity since 1940. Less milk was used for making dry whole milk than in any year since 1942, but the quantity in 1949 was still near a billion pounds. Ice cream and other frozen dairy products required 6.6 billion pounds of milk in the form of milk and cream, plus 1.2 billion pounds of milk equivalent in already processed dairy products, chiefly condensed milk and butter. The net milk used in frozen dairy products in 1949 was about one-fifth less than in the peak year 1946, but about double that a decade ago.

Consumption of fluid milk and cream in cities and villages required 45 billion pounds of milk in 1949, about one-half billion pounds more than in the previous year. The 1949 total was some 2 billion pounds short of the 1946 record, but was one-third higher than in 1939. Milk consumed in fluid form on farms where produced totaled 12.5 billion pounds in 1949, the largest quantity in 15 years, but somewhat short of the 1933 record volume. For churning home-made butter, farmers used 5.6 billion pounds of milk, less than in any recent year and probably about the same amount as was used for this purpose a century ago before factory butter production was of any consequence. Other farm uses included 3.2 billion pounds of whole milk fed to calves, about the same as in most recent years. Data on the quantities of milk used for various purposes in the United States are shown by years from 1939 through 1949 in table 2.

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